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Evaluation/Scientific and Technical Development inside the PTS

General Comments and Objectives:

- The technical challenge the Preparatory Commission is committed to succeed is tremendous. Its active bodies, both the Working Group B and the Provisional Technical Secretariat will have to carry out this burden. No mistake with disastrous technical, economical and therefore political consequences will be allowed.

- Then, an assessment of long term consequences of decisions taken in the preparation of the Verification System, analyse of the establishment and running of the various components of the System, shall be conducted continuously, independently, but in very close relationships with the unit in charge to set it up and for the benefit of the Prep. Comm. community.

- The concept of an **Evaluation** function[1], inside the PTS has been developed on the basis of reported expenence of IAEA and GSETT-3.[2]. Evaluation in these bodies, as in other bodies dealing with the same kind of world-wide task, has provided actual improvement of cost-effectiveness and efficiency.

- The objectives is to provide the Executive Secretary and the Preparatory Commission with information and to coordinate and encourage the work of technical divisions in areas of major importance for the implementation and efficient running of the System,such as the training, the scientific and technical development and the International Cooperation, as it is spell out in the following.

II - Organisation and Tasks:

The objectives and the definition of the tasks, as described hereafter, lead to of **3 basic slots** that will structure the proposed Scientific and Technical Development and Evaluation:

- Head /Deputy

1- Scientific and Technical Evaluation

2- Scientific and Technical Development

3- Technical International Cooperation and Training

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1 which can also be called Technical Effectiveness Division, as in the IAEA internal report of November 1995.

2 It is recognised among the GSE experts that the Evaluation of the expenence GSETT-3 has contributed effectivly to improve the implementation and improve the network detection and data processing capacility.

In the line of these objectives, the Scientific and Technical Development and Evaluation tasks shall be the following:

1. **The Scientific and Technical Evaluation of the International Verification System** (primarily the IMS and IDC), shall be carried on at their definition, along their implementation and when operational. For that purpose the Evaluation shall:

   Liaise with other divisions of the PTS in order to collect and evaluate on a continuous basis, information on implementation of the IMS and the development of the IDC and provide the Executive Secretary and the Preparatory Commission, with information on evaluation results.

   Assess verification effectiveness and matching of concepts, formulate conclusions on the attainment of monitoring objectives and in close co-operation with the IMS and IDC divisions, propose to the Executive Secretary and the Preparatory Commission, solutions and recommendations for the improvement of the systems reliability and the procedures, in order to achieve cost-effectiveness.

   Assist the divisions, the office of the Executive Secretary and the Preparatory Commission, in the planning of their activities to meet the objectives of the Preparatory Commission and the Office of the Executive Secretary in the production of the annual report.

2. **The Scientific and Technical Development** will be organised in close relationship with the IMS and IDC divisions (as for example, the Scientific Methods and Data Fusion Section of the IDC) and the International Scientific Community, to contribute to all necessary improvement of the IMS and the IDC. This will allows the preparation of solutions of evolution of the Verification System. In the Frame of this cooperation and for that purpose, contribution of external competent bodies or Institution might be requested to adequately address some scientific an technical issues.

3. **Technical International Cooperation** with States Parties hosting IMS facilities and NDC's to assist them in their participation to the Verification Regime. **Training** will be organized and coordinated in the frame work of the programme of work of WG-B and in relationship with IMS and IDC and later with OSI, for the formation of the personnel from the Technical Secretariat and for the personnel of States Parties hosting IMS facilities.

Explanatory notes: The Scientific and Technical Development function, as the Training inside the Evaluation shall not be seen as competing with or preventing any of such activities inside the IMS/IDC/OSI divisions, but help working with them in synergy. The same goes for the Technical International Cooperation, in charge of the coordination of the Technical side of the coopération with IMS facilities and NDC's, which will not be competing with the International Cooperation inside the External Relations Divisions but will complement each others.

III. Phasing and Staffing:

The growth of the Evaluation function shall follow the same pace than the PTS and the implementation of the Verification System, according to the phasing spell out in the draft WG-B/PTS Programme of Work issued by the Friend of the Chair on Verification and the reports from the experts group meetings held in January 1997. All the rational developed previously call for a need for a reasonable staffing as soon as the Evaluation function will enters in action. its future development will further need an increase of staffing in due course.